Index of Claims

| Application No. | Applicant(s) |
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| 10/052,478      | BERGO ET AL. |
| Examiner        | Art Unit     |
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| Claim Date |          |                 |          | Cla  | Claim Date |               |         |                  |          |          | ٦         | Cli                 | Date   |         |          |                |          |    |          |          |                 |          |   |          |          |          |           |          |           |
|------------|----------|-----------------|----------|--|------------|---------------|---------|------------------|----------|----------|-----------|---------------------|--------|---------|----------|----------------|----------|----|----------|----------|-----------------|----------|---|----------|----------|----------|-----------|----------|-----------|
|            |          | Q               | T        | ТТ   |            | Т             | T       | П                |          |          |           |                     |        |         | Г        |                |          | 7  |          | =        |                 |          |   |          |          |          |           |          |           |
| <u> </u>   | Original |                 | .*       | ΙI   | į          |               | 1       |                  | ğ        | Original |           |                     |        |         | 1        |                |          | 1  | <u> </u> | Original |                 |          |   |          |          |          |           |          |           |
| Final      | -Ē       | 3/6             |          | 1  |            |               |         | 1 1              | Final    | rig      |           |                     |        |         | 1        | l l            |          |    | Final    | rig      |                 |          |   |          |          |          |           |          |           |
|            | 0        | 6               |          |  | -          |               |         |                  | -        | 0        |           |                     |        | l       | 1        |                |          |    |          | 0        |                 |          |   |          |          |          |           |          |           |
|            | 1        | 1/              | _        | $\Box$   | 十          | $\dashv$      | +       | $\vdash$         |          | 51       |           |                     | 1      | 1       | t        | H              |          | 1  |          | 101      |                 |          |   | $\vdash$ | _        |          | _         | 寸        | $\neg$    |
|            | 2        | .3              | $\top$   | $\Box$   |            | _             |         | $\vdash$         |          | 52       | $\vdash$  |                     | _      | T       | 1        | Н              | <u> </u> | ┪  |          | 102      |                 |          |   | $\vdash$ | _        |          | _         | $\neg$   | $\neg$    |
|            | 3        | 111             | $\dashv$ | $\Box$   | 十          |               | +       | $\vdash$         |          | 53       |           |                     | ┰      | +       | +-       | $\vdash$       |          | 1  | -        | 103      |                 | $\neg$   |   |          |          | Н        | 一         | $\neg$   | $\neg$    |
|            | 4        | ++              | +        | $\vdash$   |            |               | +       | $\vdash$         |          | 54       |           |                     |        | +-      | +        | Н              |          | ┪  | -        | 104      | -               |          | - | $\vdash$ |          |          | ᅥ         |          | $\neg$    |
|            | 5        | H               | +        | $\vdash$   | 一十         | +             | +-      | $\vdash$         |          | 55       | $\dashv$  |                     | +      | +       | +        | Н              |          | ┨  |          | 105      | -               |          | _ | ┝╌       | -        | Н        | $\dashv$  | $\dashv$ | ᅱ         |
|            | 6        | н               | +        | ++   | $\dashv$   | -             | +       | $\vdash$         | $\vdash$ | 56       | -         |                     |        | ╁       | ╁        | Н              |          | -  |          | 106      |                 |          |   | -        |          | -        |           | $\dashv$ | $\dashv$  |
|            | 7        | +++             | - -      | +  | $\dashv$   |               | +-      | Н                | -        | 57       |           |                     |        | ╁       | +        | Н              |          | -  |          | 107      |                 | -        |   |          | -        | $\vdash$ | -         | $\dashv$ | $\dashv$  |
|            | 8        | ++-             |          | $\vdash$   | $\dashv$   | +             | +       | Н                | -        | 58       | -         |                     | +      | +       | +        | $\vdash\vdash$ | _        | ┨  | <u> </u> | 108      |                 |          |   | $\vdash$ |          | -        | -         | $\dashv$ | $\dashv$  |
|            | 9        | 11/             |          | -  |            |               |         | -                | -        | 59       |           | -+                  |        | ╁       | +-       | $\vdash$       |          | -  | -        | 109      |                 | •        |   | _        | $\vdash$ | $\vdash$ | $\dashv$  |          |           |
|            |          | 7               | +        |  |            |               |         | H                |          |          |           |                     |        | -       | +        | $\vdash$       |          |    | $\vdash$ |          |                 |          |   |          |          | Н        | $\dashv$  | -        | $\dashv$  |
|            | 10       | 7               |          | 1  |            |               |         |                  | -        | 60       | $\dashv$  | $\dashv$            | - -    | +       | ╀        | $\square$      |          | 4  | -        | 110      | _               | _        | i |          |          | Н        | $\dashv$  |          |           |
| ļ          | 11       | H               |          | +  | $\dashv$   |               | +-      | $\vdash$         |          | 61       |           |                     |        | +       | -        |                |          | 4  | <u> </u> | 111      |                 |          |   | <u> </u> |          |          |           |          | $\dashv$  |
|            | 12       | H               | - -      | 1-1  | _ .        | -             | +-      |                  |          | 62       |           |                     |        | -       | 4        | Ш              |          | 4  | <u> </u> | 112      | _               | _        |   |          | -        | _        |           | _        | _         |
|            | 13       | 111             | $\bot$   | 1  |            |               |         |                  |          | 63       | -         |                     | _      | +-      | 1        |                | $\perp$  | 4  | <u> </u> | 113      |                 |          |   |          |          |          | _         | _        | _         |
| <b></b>    | 14       | 1.1.1           | $\perp$  | $\sqcup$   | _          | _ _           | $\bot$  | $\square$        | <u> </u> | 64       | $\square$ | $\dashv$            | _ _    | 1_      | _        | Ш              |          | 4  | <u> </u> | 114      | _               |          |   | <u> </u> | _        |          |           | _        | _         |
|            | 15       | V               |          | 1_1  |            |               |         |                  | <u> </u> | 65       |           | $\Box$              |        | 1_      | $\perp$  |                |          | 1  | L        | 115      |                 |          |   |          |          |          |           | _        | $\Box$    |
| L          | 16       |                 |          | $\perp$  | _          | _             |         | Ш                |          | 66       | Ш         | $\sqcup$            | ┸      | 1       | _        |                | _        | 4  |          | 116      | _               |          |   |          |          |          |           |          | $\Box$    |
|            | 17       | $\sqcup \sqcup$ |          | $oxed{oxed}$   | $\perp$    | _             | $\perp$ | Ш                |          | 67       | Ш         |                     | _ _    |         | _        |                | _ _      | _  |          | 117      |                 |          |   |          |          |          |           |          | $\Box$    |
|            | 18       |                 |          |  |            |               |         |                  |          | 68       |           |                     |        |         |          |                |          | _] |          | 118      |                 |          |   |          |          |          |           |          |           |
|            | 19       |                 |          |  |            |               |         |                  |          | 69       |           |                     |        |         |          |                |          |    |          | 119      |                 |          |   |          |          |          |           |          |           |
|            | 20       |                 |          |  |            |               | $\top$  | П                |          | 70       |           |                     |        |         |          |                |          | 1  |          | 120      |                 |          |   |          |          |          |           |          |           |
|            | 21       |                 |          |  |            |               |         | П                |          | 71       |           |                     |        | T-      |          | $\cdot$        |          | 7  |          | 121      |                 |          |   | _        |          |          |           |          |           |
|            | 22       |                 |          | 1  |            |               |         |                  |          | 72       |           |                     |        |         |          |                |          | 7  |          | 122      |                 |          |   |          |          |          | ヿ         | $\neg$   |           |
|            | 23       |                 |          |  |            |               | 1       |                  |          | 73       | П         |                     | $\top$ | 1       | 1        | П              |          | 7  |          | 123      | $\neg$          |          |   |          |          |          | $\exists$ | 一        | _         |
|            | 24       | $\Box$          | $\top$   | $\Box$   | 一十         |               | +       |                  |          | 74       | $\neg$    |                     | _      | 1       | $\top$   |                | $\neg$   | 1  |          | 124      | $\neg$          |          |   |          |          |          | $\neg$    | $\neg$   | $\neg$    |
|            | 25       | $\vdash$        | $\top$   |  |            |               | 1       | П                |          | 75       | $\Box$    |                     | $\top$ | 1       | T        |                |          | 1  |          | 125      | $\neg$          |          | _ |          | _        |          | $\dashv$  | $\neg$   | $\neg$    |
|            | 26       | $\Box$          | _        |  | 一          |               |         |                  |          | 76       |           |                     | _ -    | †       | T        |                | _        | 1  |          | 126      | 一               | $\neg$   |   |          |          |          | 寸         |          | _         |
|            | 27       |                 |          | $\vdash$   | $\neg$     |               | $\top$  | H                |          | 77       | $\Box$    |                     |        | T       | 1        |                |          | ┨. |          | 127      |                 | $\neg$   | - |          |          |          | _         | $\dashv$ | $\dashv$  |
|            | 28       |                 | $\top$   | $\vdash$   | $\neg$     | _             | +       | Н                |          | 78       |           | $\dashv$            | $\top$ | ✝       | 1        | $\vdash$       | -        | ٦. |          | 128      | $\dashv$        | $\neg$   | - |          | _        | -        |           |          | -         |
|            | 29       | $\vdash \vdash$ | +        | $\vdash$   | $\dashv$   | -             | +       | H                | <b>-</b> | 79       | $\dashv$  | _                   | +      | +       | $\vdash$ |                | +        | 1  | ļ        | 129      | 一               | $\neg$   | - | _        |          | Н        | -         | $\dashv$ | $\dashv$  |
|            | 30       | Н               | +        | ┨  | $\dashv$   |               |         | $\vdash$         |          | 80       | -         |                     |        | +       | +        | $\vdash$       | +        | ┨  |          | 130      |                 | _        |   |          | _        | -        | $\dashv$  |          | $\dashv$  |
|            | 31       | -               | +        | +  | $\dashv$   | -             | +       | $\vdash$         |          | 81       | $\vdash$  | $\dashv$            | +      | +       | +-       | -              |          | ┥  |          | 131      |                 | $\dashv$ |   |          | _        | -        | $\dashv$  | $\dashv$ | -         |
| -          | 32       | <del>  -</del>  | +        | +-   |            |               | +-      | H                |          | 82       | $\vdash$  | $\dashv$            |        | +-      | +        | -              |          | -  |          | 132      |                 | $\dashv$ | - | -        | _        | _        | $\dashv$  | $\dashv$ | $\dot{-}$ |
|            | 33       | $\vdash$        | +        | $\vdash$   | $\dashv$   |               | +       | H                |          | 83       |           | $\dashv$            | +      | +       | ┿        |                |          | -  |          | 133      |                 |          |   |          |          | Н        | $\dashv$  | $\dashv$ |           |
|            | 34       | ╁               |          | ╂═╂  | -+         |               | +-      | $\vdash$         |          | 84       | -         | $\dashv$            |        | +-      | +        |                |          | -  | -        | 134      | $\dashv$        |          |   | _        | _        |          |           |          | $\dashv$  |
|            |          | $\vdash$        | +        | ╂┼┤  |            |               | +       | H                |          | 85       | -         |                     |        | ╁       | ╁        | -              |          | 4  | $\vdash$ | 104      | $\dashv$        | $\dashv$ |   |          | -        |          | $\dashv$  | $\dashv$ | $\dashv$  |
|            | 35       | $\vdash$        | +        | +  | +          | +-            | -       | H                | -        |          |           | $\dashv$            |        | +       | +        | $\vdash$       |          | -  | -        | 135      | -               | -        |   |          |          |          | $\dashv$  | $\dashv$ | —         |
| -          | 36       | $\vdash$        | $\dashv$ | ╂═┤  |            | $\dashv$      | +       | $\vdash$         | -        | 86       |           |                     |        | +-      | +        | H              | +        | 4  | <u> </u> | 136      | _               | $\dashv$ | _ | _        | _        | $\vdash$ | -         |          | _         |
| <b> </b>   | 37       | $\vdash$        | +        | +  | _          | $\dashv$      |         | $\vdash$         | -        | 87       |           | $\vdash \downarrow$ |        | +-      | +-       |                |          | 4  |          | 137      | $\Box$          | _        |   | _        | _        |          | _         |          | $\dashv$  |
|            | 38       | $\vdash$        | +        | $\vdash$   | 4          | $\dashv$      | -       | <del>     </del> |          | 88       | Щ         | $\dashv$            |        | -       | 1        | Ш              |          | 4  | <b> </b> | 138      | _               | _        |   |          | <u> </u> | Ш        | _         |          | _         |
| <u> </u>   | 39       | _               |          | $\downarrow \downarrow \downarrow$   | _          | _ _           | 4—      | Ш                |          | 89       | $\square$ | $\sqcup$            | _ _    | 1       | _        | Ш              | $\perp$  | 4  | <u> </u> | 139      | _               | _        |   | _        | <u> </u> | Щ        |           |          | $\Box$    |
|            | 40       | 1               |          | $\sqcup$   | _          | $\perp$       |         | Ш                | L        | 90       | $\square$ | $\sqcup$            |        | 1_      | $\perp$  | Ш              |          | 4  | $\vdash$ | 140      |                 | _        |   |          |          | L        | _         | _        | _         |
|            | 41       |                 |          |  |            |               |         | Щ                |          | 91       | Ш         | $\sqcup$            | Щ.     | $\perp$ |          | Ш              | $\perp$  | _  | L        | 141      |                 |          |   | L.       |          |          |           |          | $\square$ |
|            | 42       |                 | $\bot$   | Ш  |            |               |         | Ш                |          | 92       |           | $\sqcup$            |        | _       | 1        | Ш              |          | ┛  |          | 142      |                 |          |   |          |          |          | $\Box$    |          |           |
|            | 43       | Ш               |          | $\sqcup$   | _          |               |         |                  |          | 93       |           |                     |        | $\perp$ |          |                |          | _  |          | 143      | ]               |          |   |          |          | -        | $\Box$    |          |           |
|            | 44       |                 |          | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |            | $\perp \perp$ |         |                  |          | 94       |           |                     |        | $\perp$ | L        |                |          |    |          | 144      |                 | ]        |   |          |          |          |           |          | $\Box$    |
|            | 45       | $\Box$          |          | $\prod$  |            |               |         |                  |          | 95       |           |                     |        |         |          |                |          | ]  |          | 145      |                 |          |   |          |          |          | $\neg$    | $\neg$   |           |
|            | 46       |                 |          |  |            |               |         |                  |          | 96       |           | $\Box$              | $\Box$ | 1       | Π        | $\Box$         |          | 1  |          | 146      |                 |          |   |          |          | П        | $\neg$    | $\neg$   | $\neg$    |
|            | 47       | П               |          | П  | $\neg$     |               |         |                  |          | 97       |           | $\neg$              |        | 1       | T        | $\neg$         |          | 1  |          | 147      | $\neg$          |          |   |          |          | Н        | 7         | $\dashv$ | $\neg$    |
|            | 48       |                 | 7        | $\Box$   | $\neg$     | $\neg \vdash$ | 1       | П                |          | 98       |           |                     | $\neg$ | 1       |          | $\neg$         |          | 1  |          | 148      | $\neg \uparrow$ |          |   |          | $\vdash$ | $\vdash$ | $\dashv$  | $\dashv$ | $\dashv$  |
|            | 49       | $\sqcap$        |          | $\sqcap$   | $\neg$     |               | 1       | П                |          | 99       |           |                     | $\neg$ | 1       |          |                |          | 1  |          | 149      | $\neg$          |          |   |          | $\vdash$ |          | $\dashv$  | $\dashv$ | $\dashv$  |
|            | 50       | $\Box$          | -1-      | $\dagger \lnot \dagger$  | $\neg$     |               | 1       | $\Box$           |          | 100      |           | $\vdash$            | $\top$ | +-      |          |                | $\dashv$ | 1  |          | 150      | 一               |          |   |          | -        |          | $\dashv$  |          | $\dashv$  |
|            | <u> </u> |                 |          |  |            |               |         |                  | Ц        |          | ш.        |                     |        |         |          |                |          |    |          |          |                 | 1        |   |          |          |          |           |          |           |